91-03545/

Ontario

Ministry of
Northern Development
and Mines

Mines and
Minerals
Division

GEOLOGICAL DATA INVENTORY FOLIO

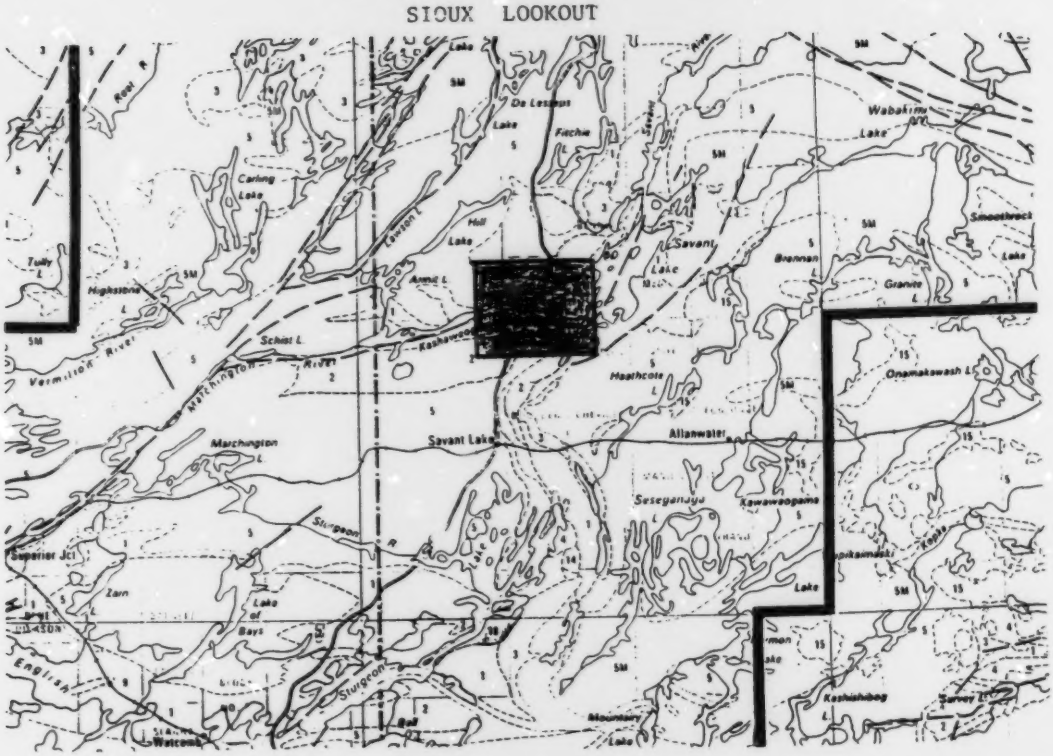
GDIF 577

N.T.S. No. 52J/07NE

GREBE LAKE AND McCUBBIN TWP.

Compiled by the staff of
the Resident Geologist's Office

SIOUX LOOKOUT



LOCATION MAP

Mining Claim Map Number G-2053

This project was funded under the Canada-Ontario Mineral Development (COMDA), 1985-1990.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Ministry of Northern Development and Mines does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1991. Grebe Lake and McCubbin Township, Geological Data Inventory Folio 577; compiled by the staff of the Resident Geologist's office, Sioux Lookout.

Original Compilation by: C.J. Proctor and M.O. Roy

Date	Page(s) Revised	Revised by
*		

Date	Page(s) Revised	Revised by

TABLE OF CONTENTS

Data Sources Checklist 1

Mineral Commodities Reference List 2

Mineral Occurrences ..... 3 - 1,2. . . 3

Type of Work ..... 4 - 1,2. . . 11

Drillhole Summary ..... 5 - 1,2. . . 6

Airborne Geophysical Survey Data ..... 6 - 1

Geochemical Survey Data ..... 7 - 1

Geochronology Data ..... 8 - 1

Air Photographs, Mosaics, Imagery ..... 9 - 1

Topographic Maps ..... 10 - 1

Newspaper Clippings File ..... 11 - 1

OGS/ODM General Index Search ..... 12 - 1,2

Selected References ..... 13 - 1,2. . . 7

Notes ..... 14 - 1

Addenda ..... 15 - 1,2. . .

ACCOMPANYING MAPS (see map legends on outside back cover).

A. Files Index Map (s) ..... Map A-1, A2, A3, A4

B. Exploration Data Map (s) ..... Map B-1

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept. (A.R.)	Annual Report
A.R.I.P	Aggregate Resources Inventory Paper
Bull	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull.	Geological Society of American Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
MP	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines/Ontario Division of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
OGS	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
SOEGTS	Southern Ontario Engineering Geology Terrain Study
Sum. Rept.	Summary Report

*

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no': if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	CJP
2	Assessment Files Research Office, Toronto	YES	CJP
3	OGS/ODM General Index	YES	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	CJP
6	ODM Industrial Mineral Reports	NO	CJP
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	YES	CJP
9	Newspaper Clippings File	YES	CJP
10	GSC Index to Publications	YES	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	CJP
12	OGS Index Maps	YES	CJP
13	Source Mineral Deposit Records (OGS)	YES	CJP
14	Author - Subject Articles File	NO	CJP
15	ODM/OGS Miscellaneous Papers	YES	CJP
16	ODM Geological Circulars	NO	CJP
17	OGS Study Series	NO	CJP
18	ODM Preliminary Reports	NO	CJP
19	ODM Bulletins	NO	CJP
20	ODM/OGS Open File Reports	YES	CJP
21	OGS Northern/Southern Ontario Engineering Geology Terrain Studies	YES	CJP
22	OGS Aggregate Resources Inventory Papers	NO	CJP
23	OGS Mineral Potential Maps	YES	CJP
24	Drill Core Library Catalogue	NO	CJP
25	Aerial Photographs	NO	CJP
26	Unpublished Theses	YES	CJP
*			

MINERAL COMMODITIES REFERENCE LIST

anh ..... Anhydrite	gl ..... Gravel	ra ..... Radioactive minerals	ADDITIONS
ank ..... Ankerite	gyp ..... Gypsum	RE ..... Rare Earths	
ap ..... Apatite	hem ..... Hematite	sd ..... Sand	
arg ..... Argentite	▲Fe ..... Iron	sgl ..... Sand and gravel	
As ..... Arsenic	▲IF ..... Iron Formation	ss ..... Sandstone	
asp ..... Arsenopyrite	jas ..... Jasper	scap ..... Scapolite	
asb ..... Asbestos	ky ..... Kyanite	shee ..... Scheelite	
ba ..... Barite	Pb ..... Lead	serp ..... Serpentine	
be ..... Beryl	lim ..... Limonite	sh ..... Shale	
Bi ..... Bismuth	Li ..... Lithium	sid ..... Siderite	
bn ..... Bornite	mgst ..... Magnesite	si ..... Silica	
Cd ..... Cadmium	mag ..... Magnetite	▲Ag ..... Silver	
calc ..... Calcite	mc ..... Malachite	sl ..... Slate	
carb ..... Carbonate	Mn ..... Manganese	sm ..... Smaltite	
cc ..... Chalcocite	mb ..... Marble	sod ..... Sodalite	
cp ..... Chalcopyrite	mar ..... Marcasite	spec ..... Specularite	
ch ..... Chert	ma ..... Marl	sp ..... Sphalerite	
clay ..... Clay	mi ..... Mica	spd ..... Spodumene	
Co ..... Cobalt	mo ..... Molybdenite	s ..... Sulphides	
cob ..... Cobaltite	▲Mo ..... Molybdenum	talc ..... Talc	
Cu ..... Copper	mon ..... Monazite	Te ..... Tellurium	
cor ..... Corundum	ne .... Nephelite (nepheline)	th ..... Thorite	
dol ..... Dolomite	Ni ..... Nickel	Th ..... Thorium	
ep ..... Epidote	Nb ..... Niobium	ti ..... Titanite	
fel ..... Feldspar	Pd ..... Palladium	Ti ..... Titanium	
fl ..... Fluorite (flurospar)	pent ..... Pentlandite	tour ..... Tourmaline	
fu. ..... Fuchsite	Pt ..... Platinum	W .... Tungsten	
gn. ..... Galena	py ..... Pyrite	uran ..... Uraninite	
gt. ..... Garnet	pyl ..... Pyrochlore	U ..... Uranium	*
goe ..... Goethite	po ..... Pyrrhotite	verm ..... Vermiculite	
▲Au ..... Gold	q ..... Quartz	Zn ..... Zinc	
gf ..... Graphite	qcv .. Quartz carbonate vein	zr ..... Zircon	

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Ref. Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
A	Wiggle Creek	Au	SMDR - TBO134	-OGS 1977, GR 160, p.59 and Map 2357 -P.1094, P.1537 -mineralized zone is 30m by .6m grab sample assayed 7.55 g/ton Au -pits and trenches -MP95, p.36 -trench samples assayed 0.22 oz/ton Au -a grab sample assayed 0.56 oz/ton Au -files 52J/07NE-0022, p.8-11 -52J/07NE-0028, p.(i), p.9-13, p.(iii)
B	Kashaweogama Lake Prospect	Fe	SMDR - TBO386 MRC 11, p.396	-OGS 1980, Report 195, p.99-101, and Map 2424 -Map 2357 -P.354 -in 1908-9 pits and 2 shafts (15-20 feet deep) -the north band is up to 700 feet wide -file 52J/07NE-0027-A1 -file 52J/07NE-0021 -file 52J/07NE-0029 -file 52J/07NE-0041-C1 -file 52J/07NE-0041-A1
C	Northern Canada Prospect (Algoma Steel)	Au,Fe	SMDR - 02222 MRC 13, p.278	-OGS 1977, GR 160, p.63-66 and Map 2357 -pits -the main showing is traceable for 76m. Assays of

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES ID SHDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
C	Northern Canada Prospect (continued)			select samples ran up to 3 oz/ton Au -the sulphide-rich zone is 12.5" wide and 20 feet long, samples gave values of 0.25 and 0.43 oz/ton Au -diamond drilling intersected stringers assaying up to 0.53 oz/ton Au -P.1195 -sampling over 3 trenches returned an average of 13 g/ton Au across 1.4m
D	Savant Lake Occurrences	IF	MRC 11, p.403-404	-Map 37j -bands range from an inch to more than 50 feet in thickness -P.352 -various iron occurrences throughout McCubbin, Poisson, and Jutten Townships
E	Jutten Township (Placer No.1)	Au	MDC 17, p.184	-Map 37j -P.804 -1903, a panned sample indicated a value of 2 oz/ton, when gold was at $20.67 an ounce
F	One Pine Lake Showing	Au		-assays up to 0.76 oz/ton Au over 4.6 meters -files 52J/08NW-0037, p.10 -52J/07NE-0034-A1, Map #1 -52J/08NW-0030, Map #4

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
F	One Pine Lake Showing (continued)			-52J/08NW-0033, p.42 appendix 1, Part A, figure II-5, figure 6, Map 13 -52J/07NE-0042, p.2-3 -52J/07NE-0034-A1, Map 1 -52J/07NE-0043, p.4-8, Map 1
G	Shoal Occurrence	Au,Fe,Ag		-assays up to 1.00 oz/ton Au -52J/07NE-0033-A1, p.9, Map 1 -52J/08NW-0030, p.9,10,22,30 average assays of 0.20 oz/t Au over 14 feet -Report 160, p.28 -52J/08NW-0037, p.10 -52J/07NE-0026 -52J/07NE-0023-A1
H	Unnamed	Au		-file 52J/07NW-0021, Map 3 -values up to 1216 ppb Au
I	Unnamed	Au		-file 52J/07NE-0023-A1, p.9,10 -assay values up to 0.80 oz/ton Au -the vein has been traced for 1200 meters but it is no more than 20 cm thick
J	Unnamed	Mo,Au,Ag		-float occurrence -angular boulder which assayed 5.67% MoS, 3.49 oz/ton Ag, and 0/087 oz/ton Au

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
1	Umex Corp. L. (52J/10SW-0010)								76									
2	Northern Canadian Mines L. (52J/10SE-0016)	61										61						
3	Stargazer Res. L. (52J/09SW-0025)								81	81								
4	HBOG Mining L. (52J/09SW-0027)				73													
5	Falconbridge Copper (52J/07SW-0023)	81																
6	Falconbridge Copper (52J/07SW-0016)											79	79					
7	Quebec Sturgeon River (52J/08NW-0022-B1)							72										
8	Abitibi-Price Inc. (52J/08NW-0023)											82	82					
9	Caddell, M. (52J/08NW-0024)	70										70						

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done, e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
10	St. Joseph Expl. L. (52J/07NW-0014)											79	79					
11	Ontario Bureau of Mines (52J/07NW-0015-A1)					20						20						
12	Ram Petroleums L. Raylloyd Mines & Exploration L. (52J/07NE-0010)											81	81					
13	Savant Expl. L. (52J/08NW-0030)							82										
14	Cumberland Res. L. Redfern Res. L. Vestor Expl. L. (52J/07SW-0026)	84							84	84							84	
15	Stargazer Res. L. (52J/08NW-0033)	81	81									81	81		81			
16	Stargazer Res. L. (52J/08NW-0034)	82	82									82	82		82			

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
17	Raylloyd Res. L. Ram Petroleums L. (52J/07NE-0011)				83	83												
18	Canadian Nickel C.L. (52J/07NE-0012-A1)				68													
19	Raylloyd Res. L. (52J/07NE-0012-B1)				83	83												
20	Geophysical Engineering L. (52J/07NE-0013-A1)				75	75												
21	Geophysical Engineering L. (52J/07NE-0013-B1)				75	75												
22	Geophysical Engineering L. (52J/07NE-0013-C1)				75	75												
23	Canadian Nickel C.L. (52J/07NE-0013-D1)				71													
24	Canadian Nickel C.L. (52J/07NE-0013-E1)				70													

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
25	Canadian Nickel C.L. (52J/07NE-0014-A1)				71													
26	Noranda Expl. C.L. (52J/07NE-0014-B1)				71													
27	Northern Can. Mines L. (52J/07NE-0014-C1)				58													
28	Noranda Expl. C. L. (52J/07NE-0014-D1)				72													
29	Stargazer Res. L. (52J/07NE-0015-A1)				82	82												
30	Algoma Steel Corp. L. (52J/07NE-0015-B1)				68													
31	Noranda Expl. C. L. (52J/07NE-0016-A1)				72	72												
32	Ramsay, R. G. (52J/07NE-0016-C1)				84													
33	Northern Can. Mines L. (52J/07NE-0017) no data in Drillhole Summary or on map.				58													

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
34	Canadian Nickel C.L. (52J/07NE-0018)				67-70													
35	Pershland Gold Mines L. (52J/07NE-0019-A1)				56-60													
36	Hanna Mining C. (Nelson Hogg) (52J/07NE-0020-A1)				66/67													
37	Ramsay, R. G. (52J/07NE-0021)	75				75						75	75					
38	Raylloyd Mines and Exploration L. (52J/07NE-0022)	82				82			81	81								
39	Ram Petroleums L. Ramsay, R. G. (52J/07NE-0023-A1)	83																
40	Noranda Expl. C. L. (52J/07NE-0023-C1)											70	70					
41	Raylloyd Mines and Explorations L. (52J/07NE-0024)											82	82					

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING. STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS. NOTES. CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	OTHER DATA IN THIS FILE (SEE "NOTES" PAGE)
42	Donner, J. Nilsson, E. T. (52J/07SE-0038)	71				71						71	71					
43	Savant Expl. L. Ramsay, R. G. (52J/07NE-0026)							84										
44	Ramsay, R. G. (52J/07NE-0027-A1)			76														N1
45	Raylloyd Resources L. (52J/07NE-0027-C1)											83	83					
46	Raylloyd Mines & Explorations L. (52J/07NE-0028)	83	83					83										
47	Ramsay, R. G. (52J/07NE-0029)			72														N2
48	Cumberland Res. L. (52J/07NE-0030)		84															
49	Donner, J. (52J/07NE-0047-A1)	71										71	71					

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE (SEE "NOTES" PAGE)
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
50	Ramsay, R. G. (52J/07NE-0031-A1)			77														
51	Priesto, E. (52J/07NE-0031-B1)			72														
52	Ramsay, R. G. (52J/07NE-0031-C1)							75										N3
53	Ramsay, R. G. (52J/07NE-0047-C1)		81															
54	Ramsay, R. G. (52J/07NE-0032-A1)			75		75												
55	Stargazer Res. L. (52J/07NE-0032-C1)			82				82										
56	Ramsay, R. G. (52J/07NE-0032-D1)	77				77												
57	Ram Petroleums Ramsay, R. G. (52J/07NE-0033-A1)	82																
58	Pershland Gold Ms. L. (52J/07NE-0033-C1)											57						

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK

(see Files Index Map)

EXPLORATION FILES

Numbers below represent the year in which the work was done; e.g., 68 for 1968

Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	OTHER DATA IN THIS FILE, OR FOOTNOTES
59	Abitibi-Price Mnrls. (52J/07NE-0034-A1)			82		82												
60	Ramsay, R. G. (52J/07NE-0025-A1)												80					
61	Umex Corp. L. (52J/07NE-0035)	78										78	78					
62	Ram Petroleums L. (52J/07NE-0043)	85				85						85	85					
63	Ramsay, R. G. (52J/07NE-0037)	72		72		72												
64	Pershland Gold Ms. L. (52J/07NE-0038-A1)	65										65						
65	Ramsay, R. G. (52J/07NE-0038-B1)													78				
66	Noranda Expl. C. L. (52J/07NE-0039-A1)											70	70					
67	Ramsay, R. G. (52J/07NE-0039-B1)											82						

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done: e.g., 68 for 1968																
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	OTHER DATA IN THIS FILE (SEE "NOTES" PAGE)
68	Pershland Gold Ms. L. (52J/07NE-0040)	69?						69				69?						N4
69	H. E. Neal & Assoc.L. (52J/07NE-0041-A1)																	N5
70	Ramsay, R. G. (52J/07NE-0041-C1)																	N6
71	Ram Petroleums (52J/07NE-0042)												80	80				
72	Best, A. (52J/07NE-0025-B1)												80					
73	Algoma Steel Corp. L. (52J/07NE-0044												67					
74	Algoma Steel Corp. L. (52J/07NE-0045)	67											67					
75	Algoma Steel Corp. L. (52J/07NE-0046)	67																
76	Geophysical Engineering L. (52J/07NE-0020-C1)				76	76												

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No. on Map	COMPANY, AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
77	Best, A. (52J/07NE-0036)												80					
78	Falconbridge Copper (52J/07SE-0055)											81	81					
79	Noranda Expl. C. L. (52J/07SE-0061-B1)											71	71					
80	Cumberland Res. L. (52J/07SW-0030)	83	83															
81	Cumberland Res. L. (52J/07SW-0031)		84															
82	McArthur Mills Expl. (52J/08NW-0037)	87		87		87							87					
83	Redaurum Red Lake Mines L. (Ray Ramsay) (52J/07NW-0019)											80	88					
84	Placer Dome Inc. (52J/07NE-0048)											88	88					

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	OTHER DATA IN THIS FILE, OR FOOTNOTES
85	Redaurum Red L. Ms. (Ray Ramsay) (52J/07NW-0021)	88	88			88												
86	McArthur Mills Expl. Limited (52J/08NW-0038)											88	88					
87	Placer Dome Inc. (52J/07NE-0049)											89	89					
88	Redaurum Red L. Ms. (52J/07NE-0050)			89														
89	Placer Dome Inc. (52J/07NE-0051)				89													

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	HBOG Mining L. (52J/09SW-0027)	S-HP-73-1	1973	173	-45	8.00	201.00	--	Au,Ag,Cu,Zn
2		S-HP-73-2	1973	38	-45	6.00	100.00	mag,po	Au,Ag,Cu,Zn
3		S-BRL-73-1	1973	240	-45	22.00	175.00	po,cp	Au,Ag,Cu,Zn
4		S-HC-73-1	1973	40	-45	10.00	250.00	po,py	Au,Ag,Cu,Zn
5	Raylloyd Resources L. (Ram Petroleums L.) (52J/07NE-0011) (52J/07NE-0027-C1)	J6-1	1983	180	-45	38.00	425.00	py	--
6		L7-1	1983	180	-45	57.00	456.00	py	--
7		L7-2	1983	0	-60	82.50	274.00	py,cp	Au,Ag,Cu,Zn, Pb
8		K9-1	1983	180	-45	25.00	400.00	py,asp	Au,As
9		K7-1	1983	180	-45	30.00	400.00	py,asp	Au,As
10		W-1	1983	180	-45	2.00	400.00	py,asp,mag	Au,Ag
10		W-2	1983	180	-45	2.00	400.00	py,asp	Au,Ag,As
11		W-3	1983	180	-45	8.00	320.00	py,asp	Au,Ag,As
12		W-4	1983	180	-45	2.00	325.00	py	--
13		W-5	1983	180	-45	14.00	256.00	py,asp	Au,Ag
10		W-6	1983	180	-45	2.00	250.00	py,asp	Au,Ag
10		W-7	1983	180	-60	2.00	350.00	py,asp	Au,Ag

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
13	Raylloyd Resources L. (Ram Petroleums L.)	W-8	1983	180	-45	10.00	437.00	py,asp	Au,Ag
13		W-9	1983	180	-45	9.00	343.00	py,asp	Au,Ag
13		W-10	1983	180	-45	14.00	282.00	py,asp	Au,Ag
13		W-11	1983	180	-45	10.00	377.00	py,asp	Au,Ag
14	Canadian Nickel C. L. (52J/07NE-0012-A1)	34478	1968	E	-50	40.00	325.00	py,mag,po	--
15		34482	1968	E	-50	52.00	467.00	po	--
16		34480	1968	E	-50	18.00	415.00	po,mag	--
17		34481	1968	E	-50	38.00	333.00	mag,po	--
18	Raylloyd Resources L. (52J/07NE-0012-B1)	K3-1	1983	180	-45	12.00	450.00	py,asp	Au,Ag
19		K4-1	1983	180	-45	74.00	400.00	py,mag	Au,As,Ag
20		K3-2	1983	180	-45	104.00	342.00	py,asp	Au,Ag
21		K5-1	1983	180	-45	24.00	450.00	py	Au
22		K8-1	1983	180	-45	10.00	517.00	mag,asp,py	Au,As
23		L7-3	1983	180	-45	62.00	347.00	py	--
24		K1-1	1983	180	-45	6.00	331.00	py	Au,Ag
25		K2-1	1983	180	-45	40.00	350.00	py,po	--

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
26	Geophysical Engineering Limited (52J/07NE-0013-A1-C1)	U-6	1975	270	-45	25.00	177.00	py,po,cp	Au,Pb,Zn, Ag,As,Cu
27		U-5	1975	140	-50	8.00	273.00	py,po,cp	Cu,Pb,Zn, Ag,Au
28		U-1	1975	180	-50	40.00	525.00	py,po,cp,gf	Cu,Zn,Ag, Au
29	Canadian Nickel C. L. (52J/07NE-0013-D1)	48598	1971	270	-45	93.00	162.00	py	--
30	(52J/07NE-0014-A1) (52J/07NE-0013-E1)	43494	1970	180	-50	43.00	284.00	py,po	--
31		48599	1971	180	-50	5.00	181.00	py	--
32	Noranda Exploration C.L. (52J/07NE-0014-B1)	CT71-1	1971	180	-45	47.00	325.00	py,po	--
33		CT2-71-1	1971	360	-45	34.00	391.00	py	--
34	Northern Canada Ms. L. (52J/07NE-0014-C1) (52J/07NE-0017)	10	1958	N.E.	-40	14.00	685.00	po,gn,mag, py,cp,sp	--
35		8	1958	N.E.	-40	9.0	419.60	py,mag,po	--
36		9	1958	N.E.	-40	6.0	751.00	mag,tour, py,po,cp, sp	--
37		11	1958	S.W.	-45	14.00	363.00	sp,cp,mag, py,po	--
38	Noranda Expl. C. L. (52J/07NE-0014-D1)	J1-72-2	1972	245	-45	4.00	305.00	po,cp	--

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
39	Stargazer Resources L. (52J/07NE-0015-A1)	82-1	1982	335	-45	36.00	487.00	po,py,cp	Au
40	Algoma Steel Corp. L. (52J/07NE-0015-B1)	PG-1-68	1968	N	-45	6.00	506.00	cp	--
40		PG-2-68	1968	S	-45	4.00	512.00	mag	--
41		PG-3-68	1968	S	-45	6.00	429.00	mag,hem	--
42		PG-4-68	1968	S	-45	26.00	728.00	mag	--
43		PG-5-68	1968	S	-45	10.00	425.00	mag	--
43		PG-6-68	1968	N	-45	10.00	534.50	mag	--
44	Noranda Expl. C. L. (52J/07NE-0016-A1)	J1-72-1	1972	245	-45	48.00	254.00	py	--
45		J1-72-1A	1972	245	-45	40.00	173.70	py,po	--
46	Ramsay, R. G. (52J/07NE-0016-C1)	84-1	1984	N38W	-45	17.00	217.00	py,asp	--
46		84-2	1984	N38W	-45	17.00	207.00	mag,py	--
46		84-3	1984	N38W	-45	32.00	207.00	py	--
47		84-4	1984	0	-45	8.50	507.00	py,mag	--
47		84-5	1984	S50E	-45	6.00	497.00	mag,py,asp	--
46		84-6	1984	N38W	-45	48.00	207.00	mag,py	--
46		84-7	1984	N38W	-55	32.00	257.00	mag,py	--
48	Canadian Nickel C. L.	34472	1967	N	-50	4.00	185.00	py	--

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
49	Canadian Nickel C. L. (52J/07NE-0018)	34487	1968	N	-50	78.00	349.00	py	--
50		34493	1968	S	-50	50.00	290.00	py	--
51		34494	1968	N	-50	5.00	380.00	py,po	--
52		34495	1968	S	-50	18.00	413.00	py,po	--
53		43495	1970	360	-50	62.00	364.00	py	--
54		43496	1970	360	-50	78.00	350.00	py	--
55		43497	1970	180	-50	25.00	440.00	py,mag	--
56		43498	1970	360	-65	82.00	272.00	py	--
57		43500	1970	167	-55	40.00	419.00	py	--
58		34492	1968	S	-50	44.00	352.00	--	--
59		34486	1968	N	-50	5.00	472.00	po	--
60		34473	1967	N	-50	6.00	170.00	po,py	--
61	Pershland Gold Mines L. (52J/07NE-0019-A1)	1	1956	S	-14° 40'	--	20.00	mag	--
61		2	1956	S	-25° 40'	--	54.00	mag	--
61		3	1956	S	-18	--	25.00	mag	--
61		4	1956	N	-82	--	39.00	mag	--

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
62	Pershland Gold Ms. L. (52J/07NE-0019-A1)	1	1957	S	-45	13.00	756.00	mag,py	--
63		2	1957	N	-45	12.00	752.00	py,mag	--
64		3	1957	S	-45	45.00	45.00	hole abandoned	
65		4	1957	S	-45	7.00	751.00	mag	--
66		5	1957	S	-45	12.00	698.00	mag,py	--
67		1-KP	1960	S30W	-30	10.00	629.00	mag,py	--
68		3-KP	1960	S50W	-40	0.00	617.00	py,mag	--
69		5-KP	1960	--	-40	43.00	454.00	py,mag	--
70		4-KP	1960	--	--	2.00	562.00	mag,py,cp	--
71	Nelson Hogg (52J/07NE-0020-A1)	38	1967	N38E	-45	13.00	395.00	mag,py,po	--
72		34	1966	N39E	--	2.00	369.00	mag,py,po	--
73		43	1967	N39E	-45	12.00	259.00	mag	--
74		45	1967	N39E	-45	11.00	220.00	mag,py,po	--
75	Geophysical Engineering Limited (52J/07NE-0020-C1)	U-14	1976	W	-60	13.00	298.00	py,cp	Cu,Ni,Au,Ag
76	Placer Dome Inc. (52J/07NE-0051)	387-002	1989	313	-45	8.00	229.00	mag,py,IF, ank	--

● —— indicates core stored at Drill Core Library

AIRBORNE GEOPHYSICAL SURVEY DATA

Number on File Index Map(s)	— by — for — year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	by - Questor Surveys L. for - Umex Corp. L. year- 1976 (52J/10SW-0010)	Magnetometer	400'	NNW/SSE ENE/WSW	1/8 mile
3	by - Geophysical Surveys L. for - Stargazer Res. L. year- 1981 (52J/09SW-0025)	Magnetometer and Electromagnetic	160' 120'	NW/SE	1/10 mi.
14	by - Dighem L. for - Cumberland Res. Redfern Resources Vestor Expl. L. year- 1984 (52J/07SW-0026)	Magnetometer and Electromagnetic	45m 30m	N/S	200 m
38	by - Geophysical Surveys for - Raylloyd Ms. & Expl. year- 1981 (52J/07NE-0022)	Magnetometer and Electromagnetic	120'	N/S	600'

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference Resident Geologist's Office File Numbers
1	Biogeochemical, Rock, Soil	Au,As,Ag,Pb,Zn,Cu,Mn,W,Sb	Stargazer Res. L.	(52J/08NW-0033)
2	Biogeochemical	Au,As,Ag,Pb,Zn,Cu,Mn,W,Sb	Stargazer Res. L.	(52J/08NW-0034)
3	Rock	Au	Raylloyd Mines & Explorations	(52J/07NE-0028)
4	same as file 52J/07SW-0030)		Cumberland Res.L.	(52J/07NE-0030)
5	Soil	Multi-spectral	Cumberland Res.L.	(52J/07SW-0030)
6	Soil	Cu,Pb,Zn,Ag,Au	Cumberland Res.L.	(52J/07SW-0031)
7	Soil, Rock	Au,Ag,Cu,Pb,Zn,As	Redaurum Red L. Mines Limited	(52J/07NW-0021)
8	Soil	As,Au	Ramsay, R. G.	(52J/07NE-0047-C1)

GEOCHRONOLOGY DATA - AGE DATING

Site No. on Map	Method	Material	Reference	Result
	NO DATA AS OF SEPTEMBER, 1989			

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologists Office:

(a) Aerial Photographs: No data as of September, 1989

(b) Photomosaics:

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:50,000	1975	Kashaweogama Lake	Survey & Mapping Br. Department of Energy Mines and Resources
1:126,720	1975	Savant Lake	Surveys & Mapping Br. Ministry of Natural Resources

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
Northern Miner	April 23/86	?	Cumberland Resources (Redfern Res. L.)(Vestor Expl.)
George Cross Newsletter	March 23/84 Aug. 24/84	3 ?	
Northern Miner	Aug. 13/81	3	Golex Resources
George Cross Newletter	Aug. 16/83	3	Redfern Resources L.
Northern Miner	Jan. 26/84 May 12/83	3 ?	Raylloyd Mines and Exploration L.(Raylloyd Res.)
Northern Miner	Mar. 10/83 Mar. 25/82 Aug. 13/81	2 19 3	Stargazer Resources L.
P.D.A. Recorder	July/81	--	
George Cross Newsletter	Aug. 16/89	?	Westfield Minerals L.
Northern Miner	Feb. 02/78 Mar. 02/78	? ?	Umex Corporation

*Note - There are numerous historical files in the Sioux Lookout Office - for the Savant Lake area - which are not listed here.

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

McCubbin Tp., Poisson Tp., Jutten Tp., Conant Tp., Grebe Lake, Staunton Lake, Savant Lake, Whimbrel Lake, Heron Lake, Kashaweogama Lake, Curlew Lake, Shoehorn Lake, Fisher Lake, Hough Lake, Shallow Lake, Snowbird Lake, Wiggle Creek, Northern Canada

Index Volume	Listing	Report Volume	Part	Page
I	Lake Savant Iron Range	XIX	(1)	173-187
II	Iron Formation of Lake St. Joseph	XXX1	(VIII)	29-30
III	Lake Savant Area	XXXVII	(IV)	53-82
IV	No listings found			
V	No listings found			
VI	No listings found			
VII	No listings found			
8	Miscellaneous Paper	MP 53	--	38-43
8	Miscellaneous Paper	MP 56	--	25-31
8	Miscellaneous Paper	MP 49	--	36-41
8	Iron Deposits of Ontario	MRC 11	--	396, 403
8	Gold Deposits of Ontario, Part I	MRC 13	--	278
9	Conant, Jutten and Smye Townships	GR 182	--	9,22, 102
9	Geology of the Houghton-Hough Lakes Area	GR 195	--	12-21, 24,47-90,96-101
9	McCubbin, Poisson and McGillis Townships	GR 160	--	19-70

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page
9	Preliminary Geological Synthesis of the Savant Lake, Crow Lake Metavolcanic-Metasedimentary Belt, and its Bearing upon Mineral Exploration	MP 89	--	2,3, 10,11, 19-25
9	Ontario Occurrences of Float, Placer Gold and Other Heavy Minerals	MDC 17	--	184
9	Operation Miniss Tully Lakes	MP 67	--	19,32
9	Savant Lake - Crow Lake Special Project	MP 75	--	29-50
9	Geochronology of the Savant-Crow Lake Area, Western Wabigoon Subprovince	MP 92	--	24-33

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Bond, W. D.	1971	McCubbin, Poisson and McGillis Townships (Savant Lake Area), District of Thunder Bay, p.36-41 in Summary of Field Work, 1971, by the Geological Branch, O.D.M. and Northern Affairs, MP 49, 109p.	MP 49	p.36-41
Bond, W. D.	1972	Conant, Jutten and Smye Townships (Savant Lake Area), District of Thunder Bay, p.38-43 in Summary of Field Work, 1972, by the Geological Branch, O.D.M., MP 53, 165p.	MP 53	p.38-43
Bond, W. D.	1972	McCubbin Township, District of Thunder Bay, O.D.M. and Northern Affairs, Preliminary Map P.722, Geological Series	P.722	1"=¼ mile
Bond, W. D.	1972	Poisson Township, District of Thunder Bay, O.D.M. and Northern Affairs, Preliminary Map P.723, Geological Series	P.723	1"=¼ mile
Bond, W. D.	1973	Houghton-Hough Lakes Area (Savant Lake Area), District of Thunder Bay, p.25-31 in Summary of Field Work 1973, O.D.M. Miscellaneous Paper 56, 201p.	MP 56	p.25-31
Bond, W. D.	1973	Conant Township, District of Thunder Bay, O.D.M., Preliminary Map P.803, Geological Series	P.803	1"=¼ mile 1:15,840
Bond, W. D.	1973	Jutten Township, District of Thunder Bay, O.D.M. Preliminary Map P.804, Geological Series	P.804	1"=¼ mile 1:15,840
Bond, W. D.	1974	Houghton-Hough Lakes Area, District of Thunder Bay, O.D.M., Preliminary Map P.933, Geological Series	P.933	1"=¼ mile 1:15,840

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Bond, W. D.	1975	Geology of McCubbin, Poisson and McGillis Townships (Savant Lake Area), District of Thunder Bay, O.D.M., Open File Report 5120, 168p.	OFR 5120	--
Bond, W. D.	1976	Geology of Conant, Jutten and Smye Townships (Savant Lake Area), District of Thunder Bay, O.D.M., Open File Report 5213, 186p.	OFR 5213	--
Bond, W. D.	1978	Geology of the Houghton-Hough Lakes Area (Savant Lake Area), District of Thunder Bay, O.G.S., Open File Report 5237, 191p.	OFR 5237	--
Bond, W. D.	1977	Geology of McCubbin, Poisson and McGillis Townships (Savant Lake Area), District of Thunder Bay, Geoscience Report 160, accompanied by May 2357	GR 160 Map 2357	-- 1"=½ mile
Bond, W. D.	1979	Geology of Conant, Jutten and Smye Townships (Savant Lake Area), District of Thunder Bay, Report 182, accompanied by 2398	Report 182 Map 2398	 1"=½ mile 1:31,680
Bond, W. D.	1980	Geology of the Houghton-Hough Lakes Area (Savant Lake Area), Ontario Geological Survey Report 195, accompanied by Map 2424	Report 195 Map 2424	 1"=½ mile
Breaks, F. W. Bond, W. D.	1976	Operation Miniss-Tully Lakes, District of Kenora, p.16-26 in Summary of Field Work, 1976, by the Geological Branch, O.D.M., MP 67, 183p.	MP 67	p.16-26

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Breaks, F. W. Bond, W. D. Stone, D. Desnoyers, D. W.	1979	Operation Miniss-Tully Lakes, Hooker-Fitchie Lakes Sheet, Districts of Kenora and Thunder Bay, O.G.S., Preliminary Map P.2218, Geological Series	P.2218	1"=1 mile 1:63,360
Campbell, Bruce S.	1980	Geology and Electrical and Electromagnetic Modeling of Volcanogenic Sulfide Bodies Near Savant Lake, Ontario	Thesis	--
Cortis, A. L. Stott, G. M. Osmani, I. A. Atkinson, B. Thurston, P. C.	1988	Project Number 88-10, A Geological Re-Evaluation of Northwestern Greenstone Belts, p.28-52 in Summary of Field Work and Other Activities, 1988, by the O.G.S., Miscellaneous Paper 141, 498p.	MP 141	p.28-52
Davis, D. W. Blackburn, C. E. Trowell, N.F. Edwards, G. R.	1980	Geochronology of the Savant-Crow Lakes Area, Western Wabigoon Subprovince, District of Kenora, Rainy River and Thunder Bay, p.24-33 in Summary of Geochronology Studies, 1977-1979 by the O.G.S., Miscellaneous Paper 92, 45p.	MP 92	p.24-33
Department of Mines and Resources	1939	Kenora Sheet, Map 266A	MAP 266A	1"=8 miles 1:506,880
Ferguson, S. A. Groen, H. A. Haynes, R.	1971	Gold Deposits of Ontario, Part 1, Districts of Algoma, Cochrane, Kenora, Rainy River and Thunder Bay, O.D.M., Mineral Resources Circular 13, 315p.	MRC 13	p.278
Ferguson, S. A. Freeman, E. B.	1978	Ontario Occurrences of Float, Placer Gold and Other Heavy Minerals, O.G.S., Mineral Deposits Circular 17, 214p.	MDC 17	p.184

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Funk, Gunther H.	1973	Petrographic and Chemical Study of Granitoid Pheno-clasts from Selected Archean Conglomerates	Thesis	--
Janes, D. A.	1981	1980 Report of the Sioux Lookout Resident Geologist, p.30-42 in Annual Report of the Regional and Resident Geologists, 1980, O.G.S., Miscellaneous Paper 95, 158p.	MP 95	p.30-42
Meyn, H. D. Robertson, James A.	1975	Iron Deposits of Ontario, West Central Sheet, Districts of Kenora, Thunder Bay, Algoma, Cochrane, O.D.M., Preliminary Map P.1041, Mineral Deposits Series	P.1041	1"=16 miles 1:1,013,760
Moon, Wooil	1972	Magnetic Base Stations in Northern Ontario, O.D.M., Open File Report 5080, 99p.	OFR 5080	--
O.D.M.	1937	Savant Lake Gold Area, District of Thunder Bay, Ontario, to accompany Report of E. S. Moore in Vol. XXXVII, Part 4, Map 37j	MAP 37j	1"=2 miles 1:126,720
O.D.M.	1966	Miniss Lake Sheet, Preliminary Geological Map P.354, Districts of Thunder Bay and Kenora, Geological Compilation Series	P.354	1"=2 miles
O.D.M.	1968	Sioux Lookout-Armstrong Sheet, Geological Compilation Series, Kenora and Thunder Bay District, Map 2169	MAP 2169	1"=4 miles 1:253,440
O.D.M.	1971	McCubbin, Poisson and McGillis Townships Thunder Bay District, Map 2357	MAP 2357	1"=½ mile 1:31,680

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
O.D.M.-G.S.C.	1976	Airborne Gamma-Ray Spectrometry Survey Total Count, Sioux Lookout Sheet, District of Thunder Bay and Kenora, O.D.M., Preliminary Map P.1112-1118, Geophysical Series	P.1112-P.1118	1"=4 miles 1:250,000
O.D.M.-O.G.S.	1961	Kashaweogama Lake, Kenora and Thunder Bay Districts, Map 1119G, Sheet 52J/7	Map 1119G	1:63,360
O.G.S.	1977	Conant, Jutten and Smye Townships, Thunder Bay District, O.G.S., Map 2398	Map 2398	1"=½ mile 1:31,680
O.G.S.	1979	Sioux Lookout-Armstrong, O.G.S. Map 2442 Geological Compilation Series, Kenora and Thunder Bay Districts	Map 2442	1"=4 miles 1:253,440
Palonen, P. A. Speed, A. A.	1976	Grebe Lake Area, District of Thunder Bay, O.D.M., Preliminary Map P.1094, Sioux Lookout Data Series	P.1094	1"=½ mile 1:15,840
Rittenhouse, Gordon	1936	Geology of a Portion of Savant Lake, Journal of Geology, Vol.44, pp451-478	Thesis	--
Robertson, James A. Vos, M. A. Springer, Janet S.	1976	Mineral Potential Map of Ontario, 1976, West Central Sheet, O.D.M., Preliminary Map P.1098, Mineral Deposits Series	P.1098	1"=16 miles 1:1,013,760
Sharpe, George	1972	Geology of the Savant/Kashaweogama Lakes Region	Thesis	--
Shegelski, Roy J.	1978	Stratigraphy and Geochemistry of Archean Iron Formations in the Sturgeon Lake-Savant Lake Greenstone Terrain, Northwestern Ontario	Thesis	--

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Shklanka, R.	1968	Iron Deposits of Ontario, Mineral Resources Circular 11, Ontario Dept. of Mines	MRC 11	p.396 p.403-404
Skinner, R.	1968	Geology of Sioux Lookout Map Area, Ontario, A Part of the Superior Province of the Precambrian Shield, 10p., Map 14-1968	Paper 68-45 Map 14-1968	1:250,000
Springer, Janet	1978	Ontario Mineral Potential, Sioux Lookout Sheet, Districts of Kenora and Thunder Bay, O.G.S., Preliminary Map P.1537, Mineral Deposits Series	P.1537	1"=4 miles 1:250,000
Trowell, N. F. Blackburn, C. E. Edwards, G. Sutcliffe, R. H.	1977	Savant Lake-Crow Lake Special Project, Districts of Thunder Bay and Kenora, p.29-32 in Summary of Field Work, 1977, O.G.S., Miscellaneous Paper 75, 208p.	MP 75	p.29-32
Trowell, N. F. Blackburn, C. E. Edwards, G. R.	1980	Preliminary Geological Synthesis of the Savant Lake-Crow Lake Metavolcanic-Metasedimentary Belt, Northwestern Ontario and its Bearing Upon Mineral Exploration, O.G.S. Miscellaneous Paper 89, 30p.	MP 89	p.1-30
Trowell, N. F.	1986	Geology of the Savant Lake Area, Districts of Kenora and Thunder Bay, O.G.S., Open File Report 5606, 181p.	OFR 5606	--
Trowell, N. F.	1988	Precambrian Geology of the Savant Lake Area, District of Thunder Bay and Kenora O.G.S., Map P.3099, Geological Series, Preliminary Map	P.3099	1:50,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Sanborn-Barrie, M.	1989	Geology of the Savant Lake Area, in Summary of Field Work and Other Activities 1989, Ontario Geological Survey, Miscellaneous Paper 146, p.54-62	MP 146	p.54-62
VanDine, D.F.	1989	Northern Ontario Engineering Geology Terrain Study, Savant Lake, Data Base Map, O.G.S. Map 5115	Map 5115	1:100,000

Note No.	NOTES
N1	Shafting sinking was done in 1976 (52J/07NE-0027-A1)
N2	Mechanical ore separation was carried out in 1972 (52J/07NE-0029)
N3	52 refers to an undefined area in the southwest quarter of Files Index Map (52J/07NE-0031-C1)
N4	68 refers to the entire Files Index Map (52J/07NE-0040)
N5	Beneficiation Study was done in 1976 (52J/07NE-0041-A1)
N6	Beneficiation Study was done in 1972 (52J/07NE-0041-C1)

ADDENDA

NO DATA AS OF FEB. 1990

ADDENDA

CONVERSION FACTORS

Conversion from SI to Imperial			Conversion from Imperial to SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	6.451 6	cm^2
1 m^2	10.763 9	square feet	1 square foot	0.092 903 04	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	16.387 064	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) per ton (short)	20.0	pennyweights per ton (short)
1 pennyweight per ton (short)	0.05	ounces (troy) per ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in cooperation with the Coal Association of Canada.

For further information please contact:

Resident Geologist
Ministry of Northern Development and Mines
P. O. Box 3000
SIOUX LOOKOUT, Ontario
POV 2TO

Phone: (807) 737-2037 or 2039

MAP LEGENDS

A. FILES INDEX MAP

FILE AREAS **See pages 4-1,2 .... of text**

- ■ Reference number is always inside work area outlined See listing in text pages
- ☐ Small area of exploration data
- ☐ File covers whole township or area
- ■ Area of Drilling

B. EXPLORATION DATA MAP

MINERAL OCCURRENCES: **See pages 3-1,2... of text**

- ■ Mineral occurrence at surface, with reference letter
- ■ Mineral occurrence with shaft, depth given with reference letter
- ☐ Mineral occurrence reported but exact location uncertain, with reference letter
- ■ Mineralized float with reference letter
- ☐ Mineral occurrence encountered in drilling, with reference letter
- ☐

DRILLHOLES: **See pages 5-1,2... of text**

- ■ Location of single drillhole, with reference number
- ■ Location of group of closely spaced drillholes, with reference number
- ☐ Drillhole, exact location uncertain, with reference number
- ■ Property with underground drillholes in this general area, with reference number
- ☐ Property with drillholes which have not been plotted on map, with reference number
- ☐ Reverse circulation drillhole, churn drilling, with reference number
- ☐

GEOCHEMICAL: **See pages 7-1,2...of text**

- ☐ Geochemical sample site, with reference number
- ■ Area of geochemical sampling, with reference number
- ☐

GEOPHYSICAL ANOMALIES

Airborne Surveys: **See pages 6-1,2... of text**

- ■ Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ■ Airborne electromagnetic anomaly Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ Airborne electromagnetic anomaly Conductor axis Location of flight lines uncertain
- ☐ Airborne radiometric anomaly

Ground Surveys

- ■ Ground magnetic anomaly
- ■ Ground electromagnetic anomaly (VL - Vertical loop, HL - Horizontal loop VLF - Very low freq., Turam, JEM - Crone Em - 16)
- ☐ Ground radiometric anomaly
- ☐ Induced polarization anomaly
- ☐ Self potential anomaly
- ☐ Audio-frequency magnetic anomaly (total intensity)
- ☐ Resistivity anomaly
- ☐ Gravity anomaly
- ☐

GEOCHRONOLOGICAL DATA: **See page 8 of text**

- ☐ Age dating material sampling site, with reference number
- ☐

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Sand and/or gravel pit
- ■ Stripping
- ☐ Rock quarry
- ☐ Open pit
- ☐

MAPS
NOT
FILMED

CARTES
OMISES